



AFT tech Electronic Co., Ltd. (Shenzhen)

Antenna specification

Customer:Shenzhen xinruizhi industry co., ltd		Date:2025-04-17	
Material model:B651		Material structure: FPC	
Material code:P-CDF-02A-G-1-8A		Material color: black	
Antenna structure: NFC antenna		Antenna material No.: NFC Antenna: P-CDF-02A-G-1-8A	
Change record column			
Change date	Change reason	Content of Change	Version
2025/4/17	New version released		V1.0

Quality	MD	RF	Approved by

Customer confirmation column

Quality	MD	Electronics	Approved by

Customer material No. :

1

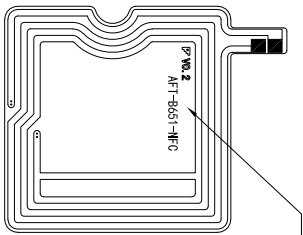
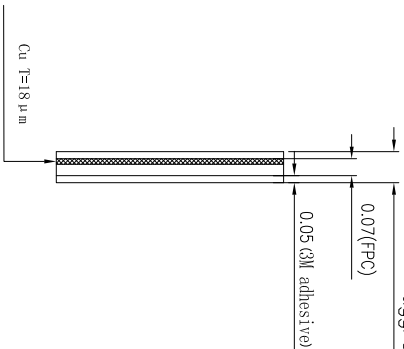
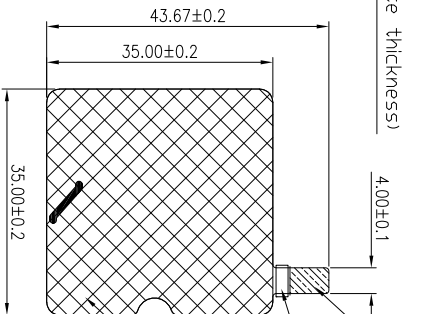
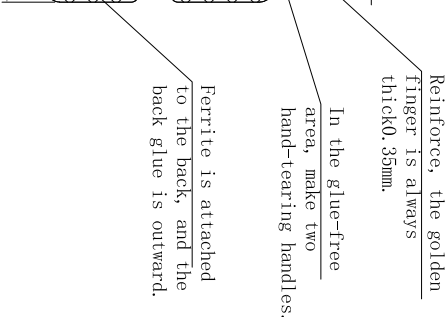
2

3

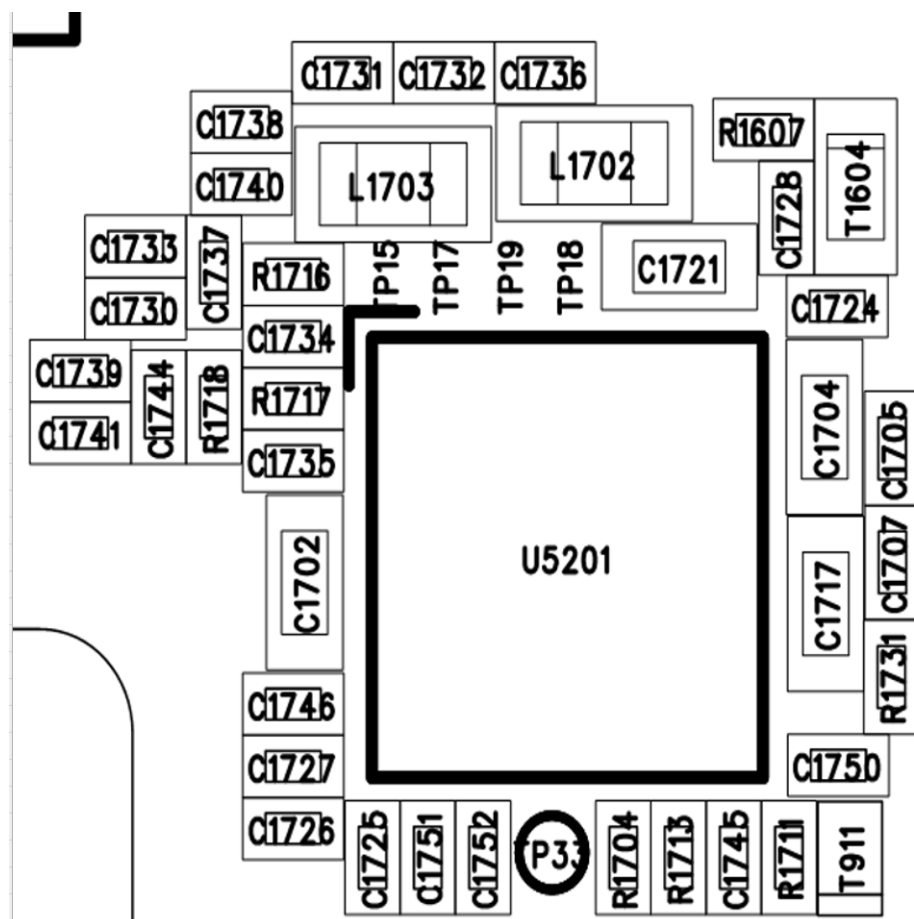
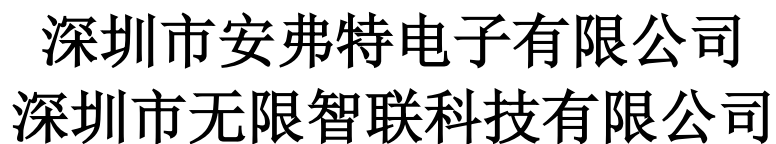
Customer requirements: :

Catalogue

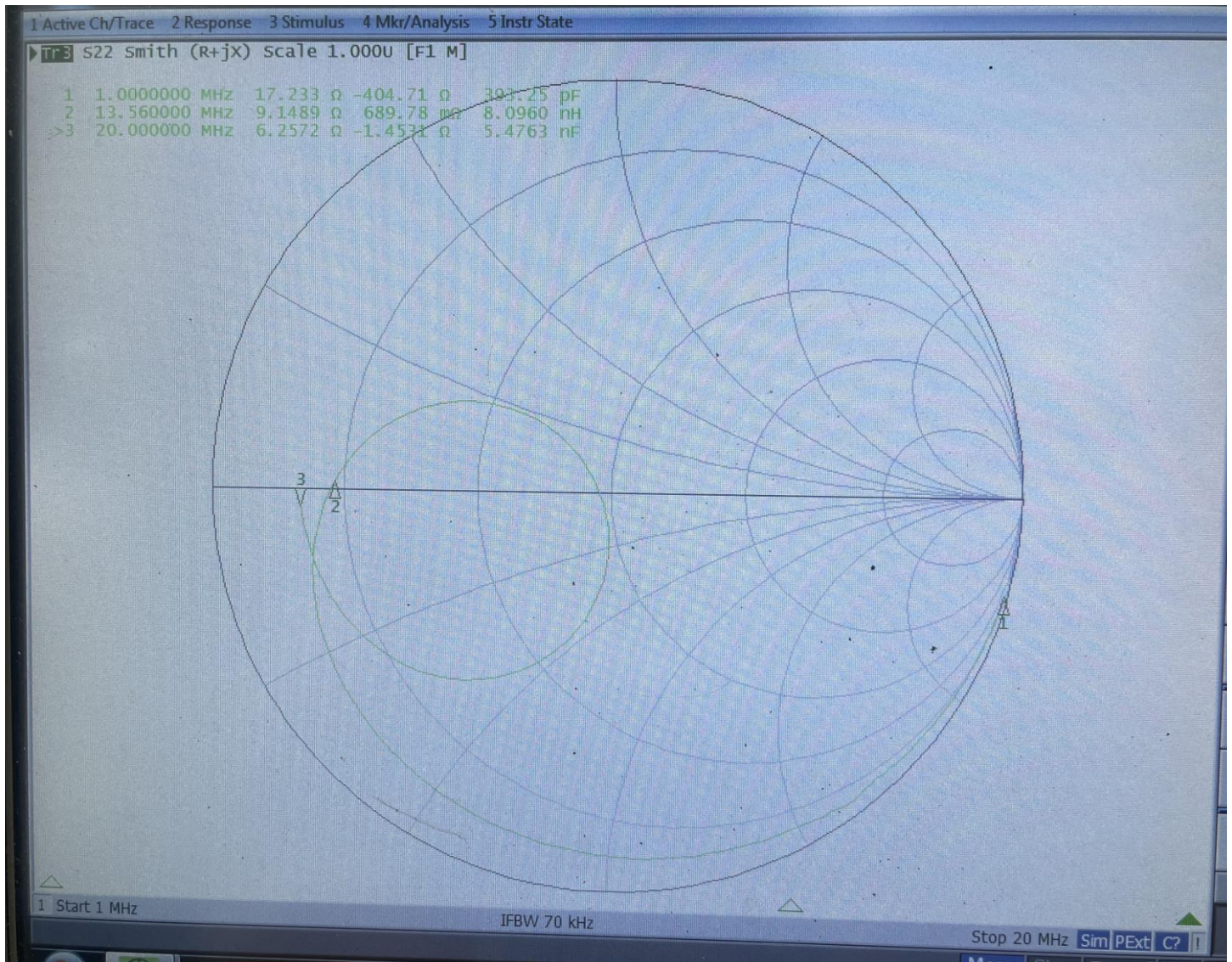
- 1、Cover
- 2、Catalogue
- 3、Product Chart
- 4、RF Test Data Report

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Note: 1、The back glue is made of 3M 467 , with a viscosity exceeding 200MP. The back glue shape is consistent with the substrate and covered on the back of the substrate. The back cut is half-cut; 2、One-sided version of the material, half-and-half base material, with good flexibility; 3、 The gold plating area ,  The copper foil area. 4、The coated product is bent by 180° without cracks and with good flexibility; 5、The golden finger surface plus gold 1-3u" without oxidation. The copper foil connections have no cracks or conduction after 180° bending; ; 6、Precise tolerance range of wiring and hole: +0.03mm. The tolerance of external dimensions falls within 0.2mm; 7、The items making “*” are key sizes. The unmarked sizes are measured at 1:1 according to CND electronic profile. 8、The specific content and position of surface printing refer to the figure;																																																																																					
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Rev. 1
Rev. 2
Rev. 3
Rev. 4
Rev. 5
Rev. 6
Rev. 7
Rev. 8



Standing wave diagram



The matching changes are as follows

位号	值	备注
L1702/L1703	82NH	过流能力不低于 350MA50V±2%
C1736/C1737	560PF	
R1716/R1717	100R	
C1734/C1735	NC	
C1731/C1730	NC	
C1732/C1733	180PF	
C1738/C1739	150PF	
C1744	39PF	
C1740/C1741	NC	
R1718	NC	

Measured distance

卡类型	读卡距离 (MM)
TYPE 1 Tag NFC ANEF (ISO14443)	40mm
TYPE 2 Tag NTAG-215 (M)	20mm
TYPE 2 Tag Mif one (ISO14443 /M)	25mm
TYPE 3 Tag Felica Rc-S966	25mm
TYPE 4 Tag NFC-A (TA32) (ISO14443)	20mm
TYPE 4 Tag NFC-B (TB32) (ISO14443)	15mm
TYPE 5 Tag NFC-V (ISO15693)	15mm
MF1 (M)	35mm
浦发银行卡 (A)	30mm
身份证 (B)	15mm
深圳通 (A)	25mm